Results of Double Star Measures with the 8-inch Equatorial at Windsor, New South Wales, in 1902.

By John Tebbutt.

Ref. No.	Star.	Observed Mags.	Approx. Place of Star. 1902. R.A. h m	Dec. S. ° ′	Fraction of Year.	Position-angle. °	Distance. ″	No. of Obs.	Mag. Power.	Eyes.	Hour-angles. h m	h m	Weight 1 to 5.
1	β Phœnicis	...	1 1·7	47 15	·090	20·1	1·28	10	300	P	2 54 W	3 19 W	4
2	,,	...	,,	,,	·093	19·4	2·16	10–6	300	P	2 49 W	3 10 W	4
3	,,	...	,,	,,	·101	20·6	...	10	230	P	3 4 W	3 32 W	2
4	,,	...	,,	,,	·101	18·6	...	10	300	P	3 4 W	3 32 W	3
5	*p* Eridani	...	1 36·1	56 42	·047	222·3	7·37	10–3	300	R	1 39 W	2 9 W	3
6	,,	...	,,	,,	·079	222·4	7·95	10–8	300	R	2 13 W	2 34 W	3
7	,,	...	,,	,,	·082	222·4	7·68	10	300	R	2 5 W	2 29 W	3
8	,,	...	,,	,,	·085	222·6	7·68	10	300	R	2 5 W	2 35 W	4
9	θ Eridani	4½, 5	2 54·5	40 42	·104	84·6	8·26	10–7	300	P	1 11 W	1 43 W	4
10	,,	...	,,	,,	·107	84·4	8·27	10–8	300	P	1 9 W	1 45 W	4
11	,,	...	,,	,,	·107	85·0	...	10	535	P	1 9 W	1 45 W	3
12	,,	...	,,	,,	·194	87·0	...	10	300	R	3 15 W	4 3 W	4
13	,,	...	,,	,,	·194	86·4	8·53	10	535	R	3 15 W	4 3 W	4
14	,,	4, 5	,,	,,	·203	87·3	8·38	10	300	R	3 12 W	3 41 W	4
15	12 Eridani	5, 9	3 7·9	29 23	·194	338·4	...	8	300	P	4 1 W	4 39 W	2
16	*f* Eridani	5½, 5½	3 45·0	37 55	·203	207·2	7·43	10	300	P	3 16 W	3 44 W	5
17	*h* 3752	6, 7½	5 17·7	24 52	·200	102·4	3·62	10	300	R	2 0 W		5

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18	Lacaille 2145	6½, 7	6 2·2	48 27	·131	41·8	...	10	300	R	1 1 E	0 33 E	2
19	,,	7, 7½	,,	,,	·298	45·3	2·13	10	300	R	2 56 W	3 31 W	4
20	,,	...	,,	,,	·301	43·1	...	10	300	P			4
21	,,	...	,,	,,	·301	45·6	...	10	300	R	3 33 W	4 18 W	4
22	,,	...	,,	,,	·301	...	1·91	8	300	P			4
23	,,	...	,,	,,	·315	41·7	1·87	10–8	300	P	3 29 W	3 53 W	4
24	,,	...	,,	,,	·320	45·6	...	10	300	R	3 25 W	3 55 W	3
25	*h* 3891	6, 8½	6 41·8	30 51	·146	224·0	...	10	300	R	1 37 E		3
26	γ Piscis Vol.	5, 7	7 9·6	70 20	·110	300·1	13·59	10–6	300	R	2 42 E	2 17 E	4
27	,,	5, 6½	,,	,,	·112	300·8	13·63	10–8	300	R	2 50 E	2 26 E	3
28	*h* 4087	7½, 7¾	8 18·7	40 41	·140	295·5	...	10	300	R	2 47 E	2 21 E	3
29	δ Argûs	4, 8	8 42·0	54 21	·121	168·9	...	10	300	P	4 11 E	3 40 E	3
30	H Velorum	...	8 53·4	52 21	·131	343·0	...	10	300	P	2 17 E	1 52 E	2
31	,,	5, 8	,,	,,	·137	344·1	2·97	10–8	300	P	3 14 E	2 30 E	2
32	*h* 4220	5, 5½	9 30·2	48 34	·137	207·7	2·70	10–6	300	P	2 44 E	2 19 E	2
33	,,	6, 6½	,,	,,	·145	208·5	2·34	10–8	300	P	3 26 E	3 3 E	4
34	,,	5½, 6	,,	,,	·151	208·4	1·93	10–6	300	P	4 19 E	4 1 E	2
35	,,	6, 6½	,,	,,	·153	208·6	2·27	10–7	300	P	4 22 E	3 58 E	3
36	ν Argûs	3, 7½	9 44·7	64 37	·153	130·2	...	10	230	R	3 18 E	2 43 E	3
37	,,	,,	,,	,,	·153	...	5·01	7	300	R			3

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38	ν Argûs	4, 7	9 44·7	64 37	·162	127·1	5·41	10–7	300	R	4 28 E	4 5 E	3
39	,,	4, 7	,,	,,	·178	126·8	5·32	10–8	300	R	4 13 E	3 51 E	3
40	h 4252	8, 8¼	9 45·4	64 40	·153	124·3	12·49	10–7	140	P	2 43 E	2 12 E	3
41	Lacaille 4102	7, 8¼	9 53·1	68 43	·153	210·1	8·94	10–7	140	P	1 52 E	1 27 E	4
42	h 4310	8, 8¼	10 10·3	83 36	·162	272·2	4·16	10–6	230	R	4 7 E	3 36 E	4
43	h 4329	5, 8	10 27·6	53 13	·137	83·8	32·16	10–7	140	R	2 50 E	2 15 E	3
44	,,	5, 8	,,	,,	·178	84·0	32·27	10–8	140	R	4 10 E	3 35 E	4
45	μ Argûs	4½, 8	10 42·5	48 54	·178	69·3	2·63	10–6	300	R	3 32 E	3 4 E	3
46	,,	...	,,	,,	·189	67·9	...	10	300	R	3 37 E	3 12 E	2
47	,,	4½, 8	,,	,,	·192	65·0	2·65	10–8	300	R	4 39 E	3 55 E	3
48	,,	4½, 8	,,	,,	·192	65·9	...	10	300	R			
49	h 4373	9, 9	10 44·5	40 55	·153	343·5	8·27	8–1	140	P	1 50 E	1 31 E	3
50	,,	8½, 9	,,	,,	·162	345·0	9·88	8–3	140	P	3 47 E	...	3
51	β Hydræ	5, 5½	11 48·0	33 22	·178	351·7	1·80	10	300	P	3 5 E	2 32 E	4
52	,,	...	,,	,,	192	351·9	2·00	10–7	300	P	4 3 E	3 26 E	4
53	α Crucis	...	12 21·2	62 33	·370	117·3	4·90	10	535	R	4 14 E	3 46 E	4
54	,,	...	,,	,,	·372	118·4	4·87	10	535	R	1 17 E	0 35 E	5
55	,,	...	,,	,,	·452	119·1	5·17	10	300	R	3 19 E	2 36 E	4
56	,,	...	,,	,,	·452	118·0	4·98	10	535	R	3 19 E	2 36 E	5
57	,,	...	,,	,,	·460	119·3	4·98	10	300	R	2 39 E	2 16 E	3

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58	γ Centauri	...	12 36·1	48 25	·320	355·9	1·77	10	300	P	2 26 E	1 59 E	4
59	,,	4, 4	,,	,,	·350	354·1	1·95	10	300	P	2 19 E	1 55 E	5
60	,,	4, 4	,,	,,	356	354·4	1·87	10	300	P	2 9 E	1 41 E	5
61	,,	...	,,	,,	·367	354·2	1·93	10	300	P	2 15 E	1 50 E	5
62	,,	...	,,	,,	·386	354·3	1·96	10	535	P	3 29 E	3 8 E	5
63	,,	...	,,	,,	·400	355·1	1·66	10	535	P	3 24 E	3 1 E	5
64	,,	...	,,	,,	·403	355·3	1·84	10	535	P	3 45 E	3 31 E	5
65	,,	...	,,	,,	·405	355·3	1·91	10	300	P	3 11 E	2 45 E	5
66	,,	...	,,	,,	·435	355·1	1·95	10	300	P	2 26 E	2 3 E	3
67	,,	...	,,	,,	·441	354·0	2·09	10	535	P	2 15 E	1 51 E	5
68	,,	...	,,	,,	·449	355·3	1·84	10	300	P	1 43 E	1 17 E	4
69	γ Virginis	...	12 36·7	0 55	·370	147·7	6·04	10–6	535	P	3 47 E	3 26 E	4
70	,,	...	,,	,,	·370	149·3	6·15	10	300	P	2 26 E	2 1 E	5
71	,,	...	,,	,,	·372	150·2	...	10	300	R	0 34 E	0 5 E	5
72	,,	...	,,	,,	·372	...	5·99	10	300	R			4
73	,,	...	,,	,,	·375	148·7	6·17	10	300	P	1 35 E	1 8 E	5
74	β Muscæ	...	12 40·3	67 34	·320	343·0	1·55	10	300	R	1 48 E	1 16 E	4
75	,,	4, 4	,,	,,	·326	341·7	1·95	10	300	R	1 39 E	...	3
76	,,	5, 5	,,	,,	·350	342·4	1·71	10	300	R	1 50 E	1 24 E	4
77	,,	4, 4	,,	,,	·386	345·9	1 78	10	300	R	2 3 E	1 36 E	4

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78	β Muscæ	4, 4	12 40·3	67 34	·397	344·9	1·80	10	300	R	1 52 E	1 24 E	
79	,,	...	,,	,,	·403	342·5	...	10	535	P	3 9 E	2 41 E	5
80	,,	...	,,	,,	·403	...	1·55	10	535	P			4
81	,,	...	,,	,,	·405	342·6	1·66	10	300	R	1 36 E	1 4 E	4
82	θ Muscæ	5, 7½	13 1·8	64 47	·370	187·8	5·48	10–6	300	P	2 6 E	...	4
83	,,	5, 7½	,,	,,	·372	187·2	5·86	10–7	300	P	2 35 E	2 8 E	4
84	k Centauri	5, 6	13 46·2	32 30	·361	109·3	8·35	10	300	P	2 29 E	2 0 E	3
85	,,	5½, 7	,,	,,	·386	110·0	8·49	10	300	P	2 23 E	1 35 E	4
86	y Centauri	6, 6	13 47·8	35 11	·403	90·5	1·60	10	300	R	2 35 E	2 3 E	4
87	Lacaille 5750	7½, 8	13 50·8	55 33	·350	26·9	14·96	10–6	140	P	2 13 E	1 46 E	3
88	Lacaille 5893	5, 7	14 15·6	58 1	·403	162·1	9·79	10	300	P	2 10 E	1 35 E	5
89	α Centauri	...	14 32·9	60 26	·044	212·0	...	10	140	R	3 14 W	3 33 W	2
90	,,	...	,,	,,	·192	211·4	21·65	10	300	P	4 39 W	5 28 W	4
91	,,	...	,,	,,	·192	211·3	21·96	10	535	P			
92	,,	...	,,	,,	·194	211·0	...	10	300	P	3 51 W	5 30 W	4
93	,,	...	,,	,,	·194	211·3	22·24	10–2	535	P			4
94	,,	...	,,	,,	·194	...	22·14	10	535	P			4
95	,,	...	,,	,,	·194	211·0	...	10	535	P			3
96	,,	...	,,	,,	·197	211·6	22·03	10	300	R	3 21 W	4 26 W	4
97	,,	...	,,	,,	·197	210·9	21·83	10	535	P			5

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98	α Centauri	...	14 32·9	60 26	·200	211·2	21·56	10	300	R	4 14 W	5 0 W	5
99	,,	...	,,	,,	·200	211·8	...	10	535	P	4 14 W	5 0 W	5
100	,,	...	,,	,,	·200	...	21·96	10	535	P			4
101	,,	...	,,	,,	·205	211·6	21·58	10	300	R	3 47 W	4 11 W	5
102	,,	...	,,	,,	·205	210·9	22·15	10	535	P	4 11 W	4 30 W	5
103	,,	...	,,	,,	·205	...	21·93	10	170	P	4 30 W	4 56 W	4
104	,,	...	,,	,,	·205	...	21·77	10	170	P	4 56 W	5 9 W	5
105	,,	...	,,	,,	·205	...	21·52	10	170	P	5 11 W	...	4
106	,,	...	,,	,,	·227	...	21·66	10	170	P	4 22 W	4 34 W	3
107	,,	...	,,	,,	·227	...	21·59	10	300	P	4 38 W	4 51 W	4
108	,,	...	,,	,,	·227	211·1	22·24	10	535	P	5 8 W	5 29 W	4
109	,,	...	,,	,,	·227	211·5	...	10	300	P	5 29 W	5 40 W	3
110	,,	...	,,	,,	·241	210·9	21·90	10	300	P	4 53 W	5 39 W	4
111	,,	...	,,	,,	·241	211·2	22·14	10	535	P			
112	,,	1, 2	,,	,,	·252	211·0	22·10	10	300	P	4 18 E	3 47 E	3
113	,,	...	,,	,,	·255	211·7	21·85	10–6	300	P	4 13 E	3 36 E	3
114	,,	...	,,	,,	·257	211·2	...	8	300	R	4 40 E	4 24 E	3
115	,,	...	,,	,,	·263	211·2	21·94	10	300	P	4 18 E	3 50 E	3
116	,,	...	,,	,,	·266	211·4	22·03	10	300	P	3 56 E	3 29 E	2
117	,,	...	,,	,,	·268	211·3	22·10	10	300	P	3 48 E	3 22 E	3

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118	α Centauri	...	14 32·9	60 26	·274	212·0	22·06	10	300	P	3 59 E	3 30 E	4
119	,,	..	,,	,,	·282	211·4	22·10	10	300	P	3 54 E	3 27 E	3
120	,,	...	,,	,,	.400	211·6	21·78	10	535	P	4 51 E	4 20 E	4
121	,,	...	,,	,,	·449	211·3	...	10	300	P	4 21 E	3 52 E	4
122	,,	...	,,	,,	·449	...	21·79	10	300	P			3
123	,,	...	,,	,,	·460	211·2	...	10	300	P	4 12 E	3 49 E	3
124	,,	...	,	,,	·460	...	22·01	6	300	P			2
125	,,	...	,,	,,	·476	211·1	...	10	300	P	3 30 E	2 59 E	4
126	,,	...	,,	,,	·476	211·7	21·88	10	535	P			
127	,,	...	,,	,,	·479	211·0	21·63	10	535	P	3 23 E	2 56 E	4
128	,,	...	,,	,,	·487	211·0	...	10	300	P	3 33 E	3 0 E	3
129	,,	...	,,	,,	·487	...	21·78	10	535	P			
130	,,	...	,,	,,	·674	...	21·68	10	170	R	0 15 W	0 35 W	3
131	,,	...	,,	,,	·676	...	21·57	10	170	R	1 28 W	1 41 W	3
132	,,	...	,,	,,	·685	...	21·88	10	170	P	3 39 E	3 19 E	2
133	,,	...	,,	,,	·685	...	21·47	10	170	R	2 10 W	2 21 W	3
134	,,	...	,,	,,	·690	...	21·31	10	170	R	3 51 W	4 10 W	3
135	,,	...	,,	,,	·701	...	21·24	10	170	R	1 29 W	1 45 W	3
136	,,	...	,,	,,	·704	...	21·49	10	170	R	1 56 W	2 21 W	3
137	,,	...	,,	,,	·717	...	21·52	10	170	R	1 12 W	1 28 W	3

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138	α Centauri	...	14 32·9	60 26	·717	...	21·65	8	170	R	...	3 26 W 3
139	,,	...	,,	,,	·720	...	21·40	10	170	R	1 46 W	2 3 W 3
140	,,	...	,,	,,	·720	...	21·45	10	170	R	...	2 49 W 4
141	,,	...	,,	,,	·720	...	21·50	10	170	R	3 0 W	3 12 W 3
142	,,	...	,,	,,	·728	...	21·47	10	170	R	2 17 W	2 31 W 4
143	,,	...	,,	,,	·728	...	21·56	10	170	R	2 38 W	2 52 W 4
144	,,	...	,,	,,	·728	...	21·52	10	170	R	2 54 W	3 8 W 5
145	,,	...	,,	,,	·728	...	21·54	10	170	R	3 8 W	3 24 W 3
146	,,	...	,,	,,	·731	...	21·56	10	170	R	2 22 W	2 35 W 4
147	,,	...	,,	,,	·731	...	21·56	10	170	R	2 35 W	2 49 W 4
148	α Circini	3, 8	14 34·6	64 33	·350	236·8	...	10	300	P }	2 14 E	1 46 E 4
149	,,	3, 8	,,	,,	·350	...	16·39	6	140	P }		
150	,,	4, 8	,,	,,	·367	237·7	...	10	300	P }	3 37 E	3 4 E 4
151	,,	4, 8	,,	,,	·367	...	15·81	6	140	P }		
152	π Hydræ	5, 6½	14 40·3	25 2	·392	129·0	...	10	300	P }	2 39 E	2 5 E { 4 5
153	,,	5, 6½	,,	,,	·392	...	9·14	10	300	P }		
154	,,	...	,,	,,	·405	131·3	9·08	10–2	300	P	2 44 E	2 11 E 4
155	,,	5, 8	,,	,,	·408	130·8	8·63	10	300	P	3 17 E	2 33 E 5
156	59 Hydræ	6½, 6½	14 52·9	27 16	·408	318·8	...	10	300	P	2 32 E	2 9 E 4
157	π Lupi		14 58·5	46 40	·367	86·7	1·66	10	300	R	3 18 E	2 51 E 5

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158	π Lupi	5, 5	14 58·5	46 40	·375	87°·4	″ ...	10	300	R	2 30 E	2 9 E	5
159	,,	5, 5	,,	,,	·375	...	1·51	10	300	R			4
160	,,	5, 5	,,	,,	·408	85·0	...	10	300	R	2 4 E	1 33 E	5
161	,,	5, 5	,,	,,	·408	87·2	1·50	10–6	535	R			
162	κ Lupi	$4\frac{1}{2}$, 6	15 5·1	48 22	·392	144·4	27·40	10	300	P	2 15 E	1 38 E	5
163	μ Lupi	5, 5	15 11·7	47 31	·340	156·3	1·75	10	300	P	3 25 E	2 56 E	4
164	,,	5, 5	,,	,,	·386	155·1	1·89	10	300	P	4 8 E	3 41 E	5
165	,,	5, 5	,,	,,	·441	155·6	2·09	10	300	P	2 41 E	2 17 E	5
166	Dunlop 180	5, 7	,,	,,	·340	130·8	...	10	300	P	2 56 E	2 27 E	4
167	,,	5, 7	,,	,,	·340	...	23·18	5	140	P			
168	γ Circini	5, $5\frac{1}{4}$	15 15·6	58 58	·367	80·1	1·64	10	300	R	2 49 E	2 23 E	4
169	,,	5, 5	,,	,,	·375	81·8	...	10	300	R	2 15 E	2 1 E	4
170	,,	5, $5\frac{1}{4}$	,,	,,	·386	78·8	1·60	10	300	R	2 45 E	2 17 E	4
171	,,	5, $5\frac{1}{2}$	,,	,,	·441	79·1	1·89	10	300	P	2 6 E	1 37 E	4
172	ϵ Lupi	5, 8	15 16·0	44 20	·449	276·2	1·39	10	300	R	2 46 E	2 22 E	5
173	ϵ Lupi & Dunlop 182	5, 7	15 16·0	44 20	·449	172·5	...	10	140	P	2 46 E	2 22 E	4
174	*d* Lupi	5, 7	15 29·0	44 38	·340	358·1	2·47	10	300	P	2 23 E	1 52 E	4
175	,,	$5\frac{1}{2}$, $7\frac{1}{2}$	,,	,,	·356	359·0	2·58	10	300	P	3 52 E	3 26 E	5
176	,,	5, 8	,,	,,	·375	356·3	2·63	10–8	300	P	3 49 E	3 21 E	3
177	Lacaille 6477	$6\frac{1}{2}$. $6\frac{1}{2}$	15 38·9	65 8	·397	153·7	2·52	10	300	P	3 56 E	3 22 E	5

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178	A Scorpii	5, 8	15 47·7	25 2	·449	277·7	3·08	10	300	R	2 16 E	1 51 E	5
179	,,	5, 8	,,	,,	·476	276·5	3·17	10	300	R	2 32 E	1 59 E	4
180	,,	5, 8	,,	,,	·487	275·5	2·97	10	300	R	2 6 E	1 38 E	5
181	η Lupi	5, 8	15 53·6	38 7	·356	20·8	15·12	10–5	300	P	3 31 E	3 6 E	4
182	ν Scorpii	4, 6	16 6·3	19 12	·400	7·5	...	5	535	P	2 52 E	2 6 E	3
183	,,	4, 6	,,	,,	·400	10·9	...	10	300	P			
184	,,	$5\frac{1}{2}$, 7	,,	,,	·427	8·2	...	10	300	P	3 24 E	2 35 E	2
185	,,	$5\frac{1}{2}$, 7	,,	,,	·427	4·9	...	10	300	P			3
186	,,	5, $6\frac{1}{2}$	,,	,,	·452	0·9	...	10	300	P	2 36 E	2 8 E	4
187	Jacob 9	$7\frac{1}{2}$, $7\frac{3}{4}$	16 6·3	19 12	·400	49·6	...	10	300	R	2 52 E	2 6 E	3
188	,,	7, $7\frac{1}{2}$	,,	,,	·427	51 4	...	10	300	R	3 24 E	2 35 E	3
189	,,	$6\frac{1}{2}$, 7	,,	,,	·452	50·2	...	10	300	R	2 36 E	2 8 E	4
190	ρ Ophiuchi	5, $5\frac{1}{4}$	16 19·7	23 13	·394	355·0	3·70	10	300	P	2 56 E	2 28 E	5
191	,.	...	,,	,,	·427	356·3	3·80	10	300	P	2 35 E	2 8 E	4
192	A Ophiuchi	5, 5	17 9·3	26 27	·394	192·4	4·49	10	300	P	3 3 E	2 25 E	5
193	,,	$5\frac{1}{2}$, $5\frac{1}{2}$	,,	,,	·427	191·8	4·76	10	300	P	2 39 E	2 12 E	5
194	,,	6, 6	,,	,,	·452	190·8	4·98	10	300	P	2 52 E	2 26 E	4
195	Lacaille 7194	6, $8\frac{1}{2}$	17 11·6	46 32	·441	83·6	...	10	300	R	3 15 E	2 52 E	3
196	,,	$5\frac{1}{2}$, 9	,,	,,	·449	84·4	2·83	10–7	300	R	2 48 E	2 26 E	5

Ref. No.	Star.	Observed Mags.	Approx. Place of Star. 1902. R.A. h m	Dec. S. ° ′	Fraction of Year.	Position-angle.	Distance.	No. of Obs.	Mag. Power.	Eyes.	Hour-angles. h m	h m	Weight 1 to 5.
						°	″						
197	Lacaille 7194	5½, 8½	17 11·6	46 32	·476	85·0	...	10	300	R	2 56 E	2 29 E	4
198	,,	5½, 8½	,,	,,	·476	...	2·24	7	300	R			3
199	,,	5½, 8½	,,	,,	·485	81·7	2·54	10	300	R	3 42 E	3 8 E	4
200	,,	5, 8½	,,	,,	·487	81·8	2·16	10	300	R	2 26 E	1 55 E	4
201	,,	5, 8½	,,	,,	·493	83·6	2·20	10	300	R	3 7 E	2 22 E	3
202	β 416	6½, 7	17 12·2	34 53	·479	288·7	2·56	10	300	R	2 29 E	1 59 E	4
203	,,	6, 6½	,,	,,	·485	289·7	...	10	300	R	2 22 E	1 55 E	4
204	,,	6, 7	,,	,,	·490	291·0	2·52	10	300	P	3 36 E	3 1 E	3
205	,,	6, 7	,,	,,	·493	291·1	2·56	10–5	300	R	2 7 E	1 40 E	3
206	,,	7, 8	,,	,,	·496	289·5	2·63	10	300	R	3 6 E	2 38 E	5
207	*h* 4949	6, 6½	17 19·6	45 45	·485	262·2	2·76	10	300	R	3 9 E	2 43 E	5
208	*h* 5014	6, 6	17 59·7	43 26	·479	242·6	2·07	10	300	R	1 44 E	1 13 E	5
209	γ Coronæ Aust.	5½, 5½	18 59·8	37 12	·394	136·1	1·87	10	300	P	3 48 E	3 21 E	5
210	,,	5, 5	,,	,,	·427	135·6	...	10	300	P	3 47 E	3 12 E	4
211	,,	5, 5	,,	,,	·427	...	2·04	10	300	P			3
212	,,	5½, 5½	,,	,,	·476	136·3	2·22	10	300	P	4 3 E	3 35 E	3
213	,,	5, 5	,,	,,	·479	136·4	2·24	10	300	P	3 25 E	3 0 E	5
214	,,	5½, 5½	,,	,,	·485	135·2	2·20	10	300	P	3 38 E	3 6 E	4
215	,,	5, 5	,,	,,	·487	133·3	2·45	10	300	P	3 27 E	3 3 E	5
216	,,	5, 5	,,	,,	·496	136·3	2·13	10	300	P	4 2 E	3 33 E	5

Remarks.

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 25, 26, 27, 34, 35, 38, 39, 62, 63, 65, 66, 67, 69, 79, 80, 120, 124, 125, 126, 127, 133, measures in twilight. 53, 55, 56, 57, 64, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 123, 130, 131, 132, 135, 136, 137, 138, 139, 140, 142, 143, 144, 145, 146, 147, measures in sunlight. 1, 2, 3, 4, 5, 6, 7, 8, 59, 60, 65, 66, 71, 72, 75, 77, 78, 86, 156, 157, 158, 159, 160, 161, 163, 164, 165, 177, 192, 193, 194, 208, 209, 210, 211, 212, 213, 214, 215, 216, components equal. 16, north component probably the brighter. 17, principal component yellow, companion blue. 18, hazy and ill-defined. 19, preceding and south component the brighter. 20, 21, 22, 23, nearly equal. 26, 27, 36, 37, 38, 39, principal component orange and companion blue. 29, 31, observations very difficult. 36, 37, 38, 39, erroneously called *h* 4252 in Innes' Reference Catalogue. 40, not in the Reference Catalogue. 43, 44, principal component white and companion reddish. 45, principal component yellow, companion pale green. 47, 48, principal component orange, companion greenish. 49, south component the brighter. 51, a neat and beautiful pair. 74, 190, following and south component the brighter. 79, 80, south component certainly slightly the brighter. 82, principal component white, companion blue. 103, 104, 105, 106, 107, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, measures with the Grubb distance filar micrometer. 121, 122, 128, 129, 141, measures partly in sunlight and partly in twilight. 156, components just separated, distance less than 1″. 166, 167, the position-angle is referred to the mean of μ Lupi. 173, Innes' Catalogue makes the companion = 10 mag. 175, a minute companion suspected midway between the components, but a little west of the line joining them. 182, 183, measures difficult, estimated distance = 1″. 184, 185, distance about 1″. 188, distance about 2″. 195, principal component reddish and rather blurred, distance about 3″. 196, 199, 200, companion hazy. 205, 206, a companion about $8\frac{1}{2}$ or 9 mag. south, and following at a distance of 20″ or 30″.

On March 7 I attempted to observe γ *Carinæ* = Innes' No. 6, 11^h, but the definition was not good enough to enable me to distinguish the companion measured here in 1901, nor could I see the companion = 10 mag. recorded by Herschel and Pollock. Brisbane 3574 = Innes' No. 22, 11^h, was woolly and could not be seen double. On May 5 I examined θ *Centauri* = No. 2, 14^h of Innes' Catalogue, but could find no trace of a companion.

The arrangement of the preceding table is similar to that adopted in former communications. All the measures, except where otherwise stated, have been made with the Cooke position and distance filar micrometer.

Observatory, Peninsula, Windsor, N.S. Wales:
1903 *August.*